

WHAT IS CLAIMED IS:

1. A delay line comprising:
a dielectric substrate including a pair of main surfaces;
a transmission line disposed on one of the main surfaces of the dielectric
5 substrate;
a ground conductor disposed on the other of the main surfaces of the
dielectric substrate; and
a capacitance being disposed on the dielectric substrate and connected to the
transmission line for setting a desired delay time of the delay line.
2. A delay line according to claim 1, wherein said capacitance is adjustable.
3. A delay line according to claim 2, wherein said capacitance is provided by
a variable capacitor.
4. A delay line according to claim 2, wherein said capacitance is provided by
a varicap diode.
5. A delay line according to claim 1, wherein said capacitance is provided by
a diode.
6. A delay line according to claim 5, wherein said diode is a varicap diode.
7. A delay line according to claim 1, wherein said capacitance is connected
in parallel to the transmission line.
8. A delay line comprising:
a multilayer structure formed by laminating a plurality of dielectric layers;

a transmission line formed on a dielectric layer embedded in the multilayer structure;

5 a plurality of ground conductors disposed on the dielectric layers and a pair of said ground conductors being disposed on opposite sides of the transmission line; and

a capacitance disposed on the multilayer structure and connected to the transmission line for setting a desired delay time of the delay line.

9. A delay line according to claim 8, wherein said capacitance is adjustable.

7 ~~10~~ 10. A delay line according to claim 9, wherein said capacitance is provided by electrodes formed on respective ones of said dielectric layers.

8 ~~11~~ 11. A delay line according to claim 9, wherein said capacitance is provided by a variable capacitor.

12. A delay line according to claim 9, wherein said capacitance is provided by a varicap diode.

13. A delay line according to claim 8, wherein said capacitance is provided by a diode.

14. A delay line according to claim 13, wherein said diode is a varicap diode.

15. A delay line according to claim 8, wherein said capacitance is connected in parallel to the transmission line.

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